IN THE CLAIMS

- 2 1 4. Canceled
- 3 5. Previously canceled
- 4 7 and 6. Canceled

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- 6 8. (Currently Amended) A method for recovering material from a tire portion containing a

 7 steel component, the method comprising the steps of:
 - (a) contacting a tire portion with a molten reactant metal including aluminum under conditions facilitating the dissolution of steel into the molten reactant metal, the contacting step being performed for a reaction period sufficient to allow substantially all organic materials originally included in the tire portion to react with the molten reactant metal but leaving the steel component substantially intact;
 - (b) containing the tire portion on a tire carrier when during the time that the tire portion is contacted by the molten reactant metal; and
 - removing the tire carrier and unreacted solids retained on the tire carrier from the molten reactant metal immediately after the reaction period, the unreacted solids comprising solids including the steel component remaining after the tire portion has contacted the molten reactant metal for the reaction period.

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1	9.	(Previ	iously Added) The method of Claim 8 further comprising the step of maintaining the
2		tempe	erature of the molten reactant metal at a minimum of approximately 800 degrees
3		Celsiu	us during the reaction period.
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5	10.	(Previ	iously Added) The method of Claim 8 wherein the steps of contacting the tire
6		portio	on with the molten reactant metal and containing the tire portion on the tire carrier
7		includ	le:
8		(a)	lowering the tire portion into the molten reactant metal on the tire carrier; and
9		(b)	pressing the tire portion into the molten reactant metal with a tire contactor
1/1			member extending across an area above the tire carrier.
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12	11.	(Previ	iously Added) The method of Claim 10 wherein the step of removing unreacted
13		solids	from the molten reactant metal includes:
14		(a)	lifting the tire contactor member and the tire carrier from the molten reactant
15			metal and allowing the molten reactant metal to drain from around the unreacted
16			solids, tire contactor member, and tire carrier; and
17		(b)	cooling the tire carrier and unreacted solids located on the tire carrier.
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19	12.	(Curre	ently Amended) A method for recovering materials from a tire portion including
19 20	12.		ently Amended) A method for recovering materials from a tire portion including
	12.		

1		materials originally included in the tire portion to react with the molten reactant	
2		metal, the molten reactant metal being held at a temperature at which stainless	
3		steel dissolves therein;	
4		(b) containing the tire portion on a tire carrier when the tire portion is immersed in the	
5		molten reactant metal; and	
6		(c) removing the tire carrier and unreacted solids retained on the tire carrier from the	
7		molten reactant metal upon completion of the reaction period, the unreacted solids	
) 8 /		including solids steel remaining after the tire portion has contacted the molten	
97	\	reactant metal for the reaction period.	
11	13.	(Previously Added) The method of Claim 12 further comprising the step of maintaining	
12		the temperature of the molten reactant metal at a minimum of approximately 800 degrees	
13		Celsius during the reaction period.	
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15	14.	(Previously Added) The method of Claim 12 wherein the steps of immersing the tire	
16		portion in the molten reactant metal and containing the tire portion on the tire carrier	
17		include:	
18		(a) lowering the tire portion into the molten reactant metal on the tire carrier; and	
19		(b) pressing the tire portion into the molten reactant metal with a tire contactor	
20		member extending across an area above the tire carrier.	
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